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TAFA2 Human

Family with Sequence Similarity 19 Member A2 Human Recombinant
CYK0540

Product Overview

Name	TAFA2 Human

Description

Family with Sequence Similarity 19 Member A2 Human Recombinant

Accession (Primary)	Q8N3H0

Synonyms

Family with sequence similarity 19 (chemokine (C-C motif)-like) member A2, Chemokine-like protein TAFA-2, protein FAM19A2.

Introduction

TAFA-2 is a 11 kDa secreted protein that belongs to the FAM19/TAFA family of chemokine-like proteins. Similar to other FAM19/TAFA family members, mature TAFA-1 contains 10 regularly spaced cysteine residues with the same pattern: CX7CCX13CXCX14CX11CX4CX5CX10C (C symbolizes a conserved cysteine residue and X symbolizes any noncysteine amino acid). Human TAFA-2 is 97% aa identical to mouse TAFA-2 and is expressed in the central nervous system (CNS), colon, heart, lung, spleen, kidney, and thymus, however its expression in the CNS is 50 to 1000 fold higher than in other tissues. The biological roles of TAFA family members have not yet been determined.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The protein was lyophilized from a 0.2 μm filtered concentrated solution in 1×PBS, pH7.4.

Stability

Lyophilized TAFA2 although stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution TAFA2 should be stored at 4C between 2-7 days and for future use below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 97.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

ANHHKAHHVK TGTCEVVALH RCCNKNKIEE RSQTVKCSCF PGQVAGTTRA APSCVDASIV EQKWWCHMQP

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CLEGEECKVL PDRKGWSCSS GNKVKTTRVT H

Biological Activity

Fully biologically active when compared to standard. Measured by its ability to enhance neurite outgrowth of E16-E18 rat embryonic cortical neurons.

Solubility

It is recommended to reconstitute the lyophilized TAFA2 in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

TAFA2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8N3H0)